

AMENDMENT

(according to provision of Section 11)

To: Commissioner, Patent Office

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1. Indication of International Application: PCT/JP02/02714

2. Applicant:

Name: National Institute of Advanced Industrial
Science and Technology10 Address: 3-1, Kasumigaseki 1-chome, Chiyoda-ku,
Tokyo 100-0013 Japan

Nationality: Japan

Address: Japan

3. Agent:

15 Name: 7450 Patent Attorney IKEURA, Toshiaki

Address: Room 113, Daiichi Nishiwaki Bldg., 58-10,
Yoyogi 1-chome, Shibuya-ku, Tokyo 151-0053
Japan

4. Object of Amendment:

20 Specification and Claims

5. Content of Amendment:

(1) In the specification, page 4, line 23 to page 5, line
17, delete, "5. A secondary .. anion atom."25 (2) In the specification, page 5, line 18, change "7" to
"3";(3) In the specification, page 6, line 25, change "8" to
"6";(4) In the specification, page 8, line 7, change "9" to
"7";30 (5) In the specification, page 9, line 3, change "10" to
"8";(6) In the specification, page 9, line 16, change "11" to
"9";35 (7) In the specification, page 11, line 13, change "12" to
"10";

(8) In the Claims, page 47, cancel claims 5 and 6.

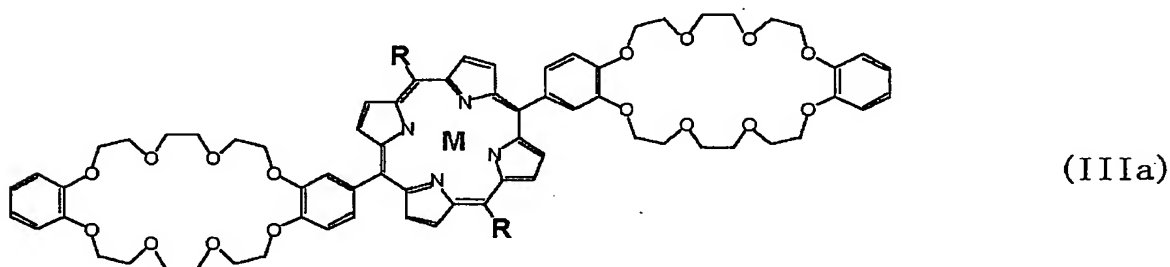
6. List of Attached Documents

(1) Specification pages 4-11

5 (2) Claims page 47

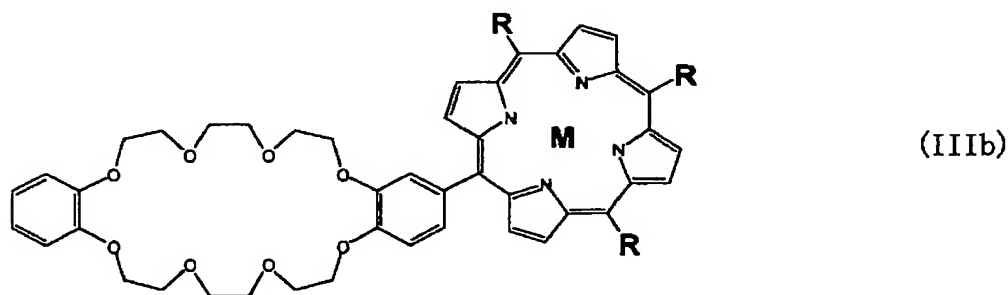
the four nitrogen atoms and two additional ligands, P represents a group having, at a terminus thereof through a hydrocarbyl group, a nitrogen atom coordinatable with a metal, said hydrocarbyl group being selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups and X represents an arbitrary anion atom.

3. A compound represented by the following general formula (IIIa):



wherein M represents a transition metal coordinatable with the four nitrogen atoms and two additional ligands and R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups.

4. A compound represented by the following general formula (IIIb):



wherein M represents a transition metal coordinatable with the four nitrogen atoms and two additional ligands and R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups.

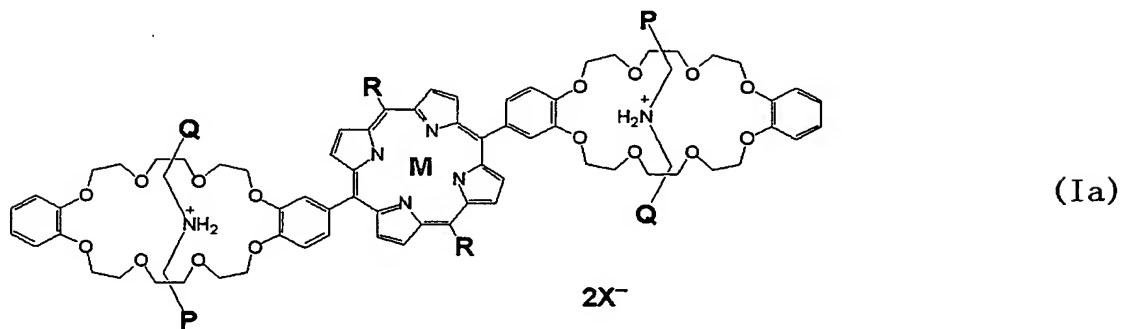
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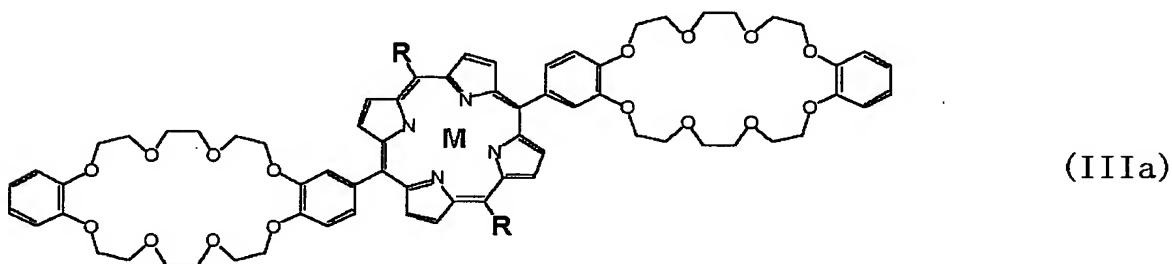
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5. A process for the preparation of a monomer represented by the following general formula (Ia):



25 wherein M represents a transition metal coordinatable with the four nitrogen atoms and two additional ligands, P represents a group having, at a terminus thereof through a hydrocarbyl group, a nitrogen atom coordinatable with a metal, said hydrocarbyl group being selected from aliphatic

hydrocarbon groups and aromatic hydrocarbon groups, Q represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups and X represents an arbitrary anion atom, said process comprising reacting a compound represented by the following general formula (IIIa):

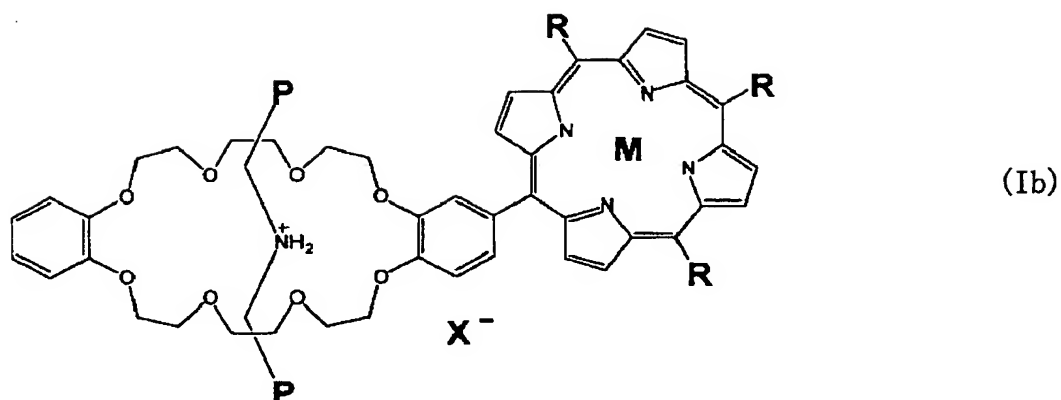


wherein M represents a transition metal coordinatable with the four nitrogen atoms and two additional ligands and R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, with a secondary ammonium salt represented by the following general formula (IVa):

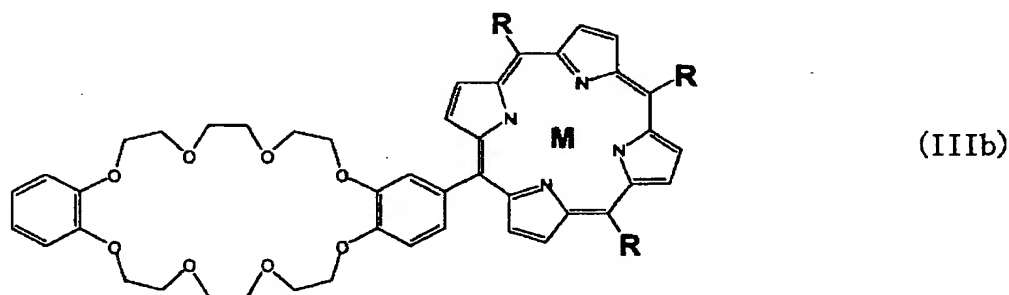


wherein P represents a group having, at a terminus thereof through a hydrocarbyl group, a nitrogen atom coordinatable with a metal, said hydrocarbyl group being selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, Q represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups and X represents an arbitrary anion atom, in a solvent.

6. A process for the preparation of a monomer represented by the following general formula (Ib):



wherein M represents a transition metal coordinatable with the four nitrogen atoms and two additional ligands, P represents a group having, at a terminus thereof through a hydrocarbyl group, a nitrogen atom coordinatable with a metal, said hydrocarbyl group being selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups and X represents an arbitrary anion atom, said process comprising reacting a compound represented by the following general formula (IIIb):

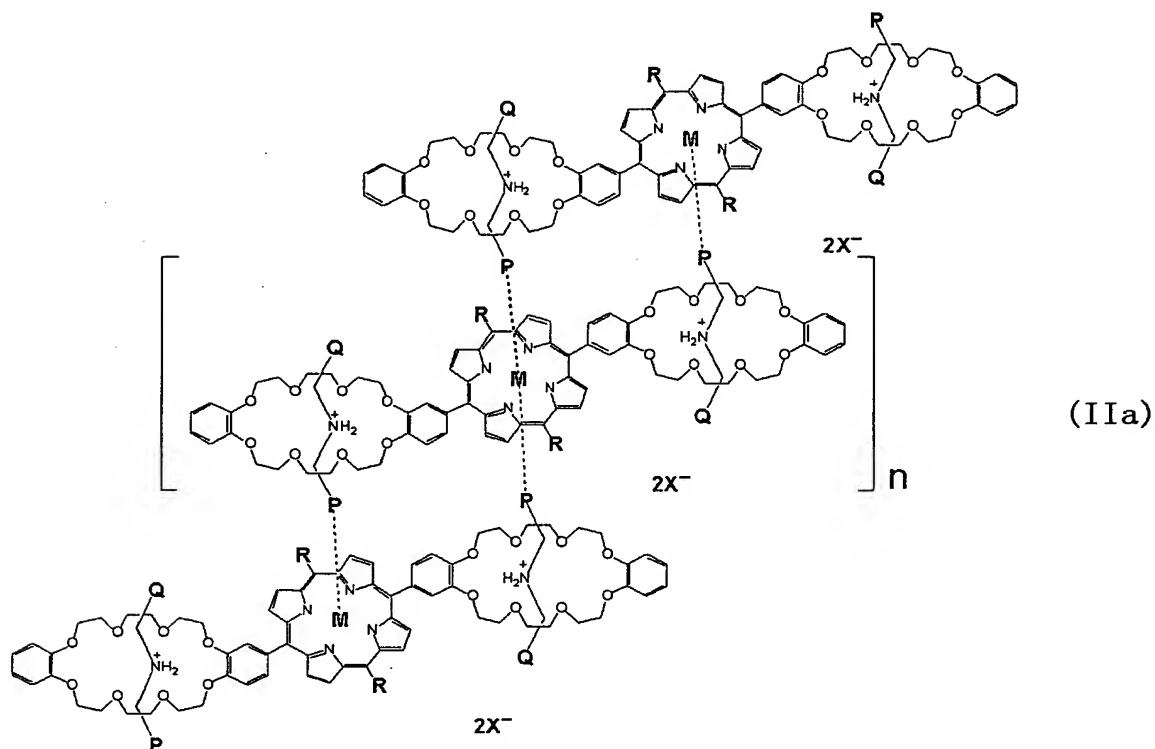


wherein M represents a transition metal coordinatable with the four nitrogen atoms and two additional ligands and R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, with a secondary ammonium salt represented by the following general formula (IVb):



wherein P represents a group having, at a terminus thereof through a hydrocarbyl group, a nitrogen atom coordinatable with a metal, said hydrocarbyl group being selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, and X represents an arbitrary anion atom, in a solvent.

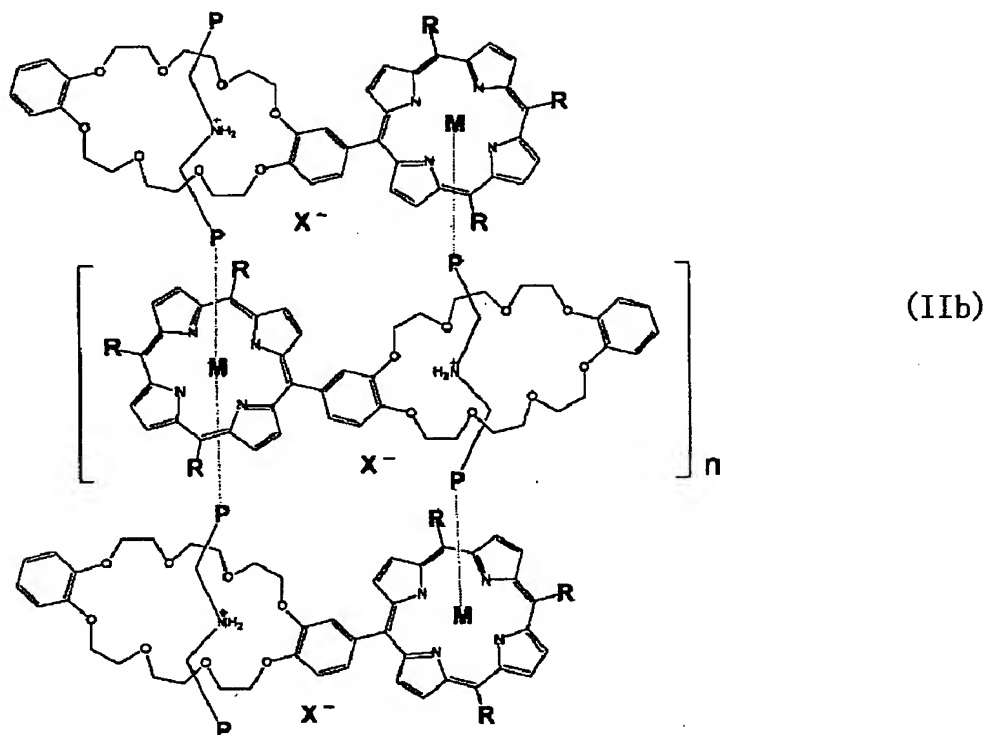
7. A polymer represented by the following general formula (IIa):



wherein M represents a transition metal coordinatable with the four nitrogen atoms and two additional ligands, P represents a group having, at a terminus thereof through a hydrocarbyl group, a nitrogen atom coordinatable with a metal, said hydrocarbyl group being selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, Q represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, X

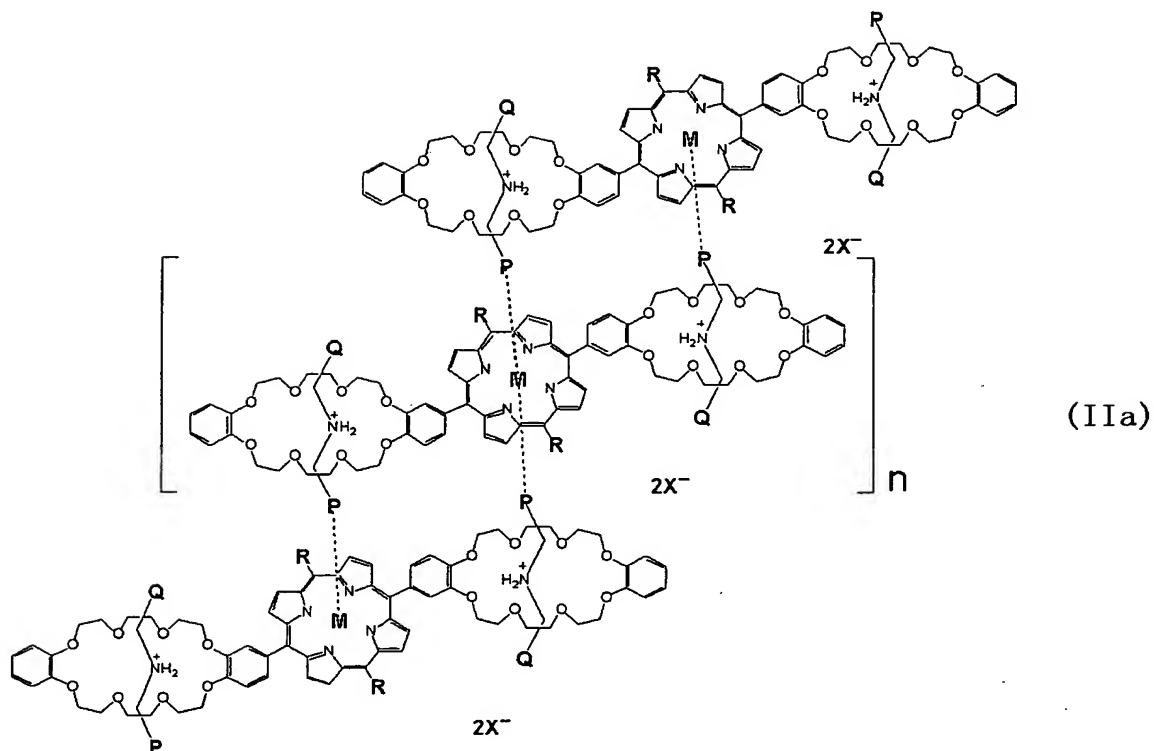
represents an arbitrary anion atom and n is an integer of 1 or more.

8. A polymer represented by the following general formula (IIb):



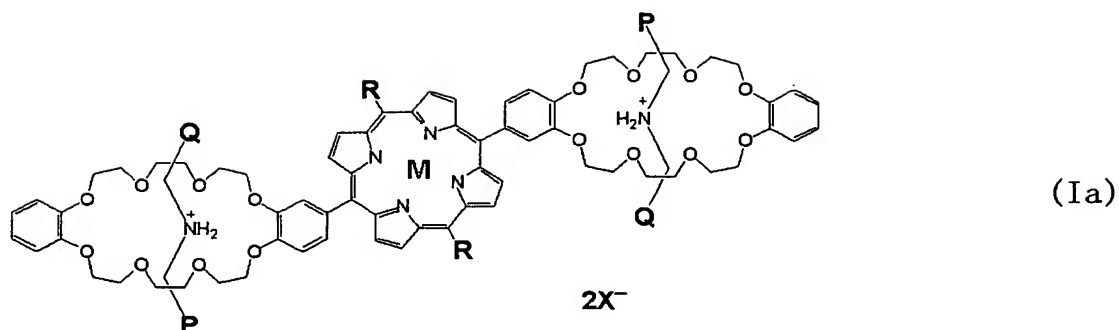
5 wherein M represents a transition metal coordinatable with the four nitrogen atoms and two additional ligands, P represents a group having, at a terminus thereof through a hydrocarbyl group, a nitrogen atom coordinatable with a metal, said hydrocarbyl group being selected from aliphatic
 10 hydrocarbon groups and aromatic hydrocarbon groups, R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, X represents an arbitrary anion atom and n is an integer of 1
 15 or more.

9. A process for the preparation of a polymer represented by the following general formula (IIa):



wherein M represents a transition metal coordinatable with the four nitrogen atoms and two additional ligands, P represents a group having, at a terminus thereof through a hydrocarbyl group, a nitrogen atom coordinatable with a metal, said hydrocarbyl group being selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, Q represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, X represents an arbitrary anion atom and n is an integer of 1 or more,

said process comprising polymerizing a monomer represented by the following general formula (Ia):



wherein M represents a transition metal coordinatable with the four nitrogen atoms and two additional ligands, P represents a group having, at a terminus thereof through a hydrocarbyl group, a nitrogen atom coordinatable with a metal, said hydrocarbyl group being selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, Q represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups and X represents an arbitrary anion atom.

10. A process for the preparation of a polymer represented by the following general formula (IIb):

represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups.

5. cancelled

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6. cancelled

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7. A process for the preparation of a monomer represented by the following general formula (Ia):